



401 South Grand Ave., Santa Ana, CA 92705
Tel: 714.550.6070 Fax: 714.550.9661 www.twobros.com



2008 Kawasaki Teryx 750

V.A.L.E.™ Complete DUAL Exhaust System with M-7 Canisters
Part # 005-2240106D



Parts List

Qty.	Description	Part Number
1	Left Muffler Canister M-7	005-224-206ML
1	Right Muffler Canister M-7	005-224-206MR
1	Rear Header	005-22401H-R
1	Front Header Assembly #1	005-22401H-F1
1	Front Header Assembly #2	005-22401H-F2
4	Heavy Duty Muffler Clamp	005-2C4
1	HARDWARE KIT	005-224-3C
2	Header Collar Long	005-224-17L
2	Steel Header Flange	005-224-15S
2	X-Lite V.A.L.E Retaining Ring	005-7-2-2
3	80mm Spring	005-S-80
2	Billet Bolt-on Muffler Mount (Front)	005-224B
2	Billet Bolt-on Muffler Mount (Back w/ radius)	005-188B
10	8x25mm Socket Head Cap Screws	005-SH825
14	M8 Split High Collar Lock Washers	005-WL8
8	M6 Split High Collar Washers	005-WL6
4	8x1.25mm Pitch Metal Locking Flange Nuts	005-FNL8
2	8mm Flange Nuts	005-FN8
4	8mm Large Flat Washers	005-W08
4	8x20mm Socket Head Cap Screws	005-SH820
2	Spark Arrester Screen (Installed)	005-106S
8	6x14mm Socket Head Cap Screws	005-SH614
1	14" Tube with Brackets	005-22401B
2	Needle Shim	005-224NS
1	#150 Main Jet	005-224MJ150
1	#145 Main Jet	005-224MJ145
1	5mm Long Handle Ball end hex key	005-9-18610
1	Permatex High Strength Threadlock	031-P09179
1	TBR Logo Decal Kit	015-10212

IMPORTANT - PLEASE READ CAREFULLY

We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the UTV and exhaust system are completely cool before starting the installation. Be sure to save all stock components for possible use later.

Installation Instructions

1. Make sure the UTV is completely cool before starting the installation. Make sure the UTV is secure with the parking brake set.
2. Remove bed from unit by removing pins, frame mounts and wires. Get a second person to help lift bed assembly off the vehicle.



3. Remove heat-shield.



4. Remove driver and passenger seats.



5. Remove engine upper covers by removing the quick rivets with a flat screwdriver and screws with Phillips screw driver.



6. Remove center cover by removing the quick rivets with a screwdriver.



7. Remove seat lower cover by removing the quick rivets and screws attaching it to the frame.



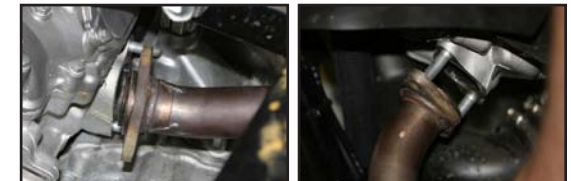
8. Remove lower left seat plate to access the front header flange nuts.



9. Remove engine bottom guard by removing (10) engine guard bolts from underneath of vehicle.



10. Remove OEM muffler and header pipes.



NOTE: Instructions continued on Page 2...



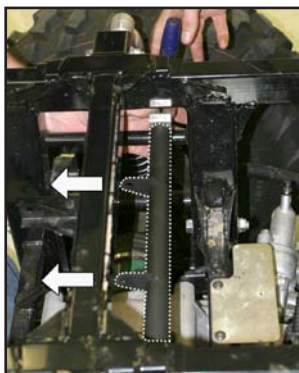
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Installation Instructions

11. Remove gasket from header collar.



12. Install OEM header collar gasket and supplied TBR header collars and flanges to the engine. Secure with supplied locking bolts to 13 ft. lbs.



13. Install rear muffer mounting supports and mounting bar to rear frame section as shown with muffer mounting tabs facing the rear of vehicle. Secure with the 8mm socket head cap screws and lock washers provided. Tighten when everything is aligned to 13 ft. lbs.



14. Install rear mounting brackets to rear frame tube as shown. Leave loose for now.



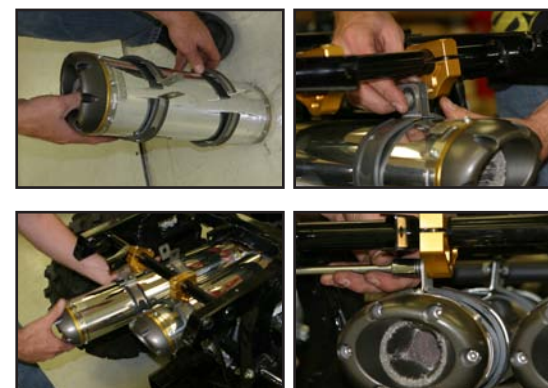
15. Install front header pipe "A" and attach to header collar with supplied spring. Then join with front header pipe "B" and join with spring. Make sure an x-ring is on the tube before joining them together.



16. Install rear header and attach to header flange with supplied spring. Make sure x-ring is on header pipe.



17. Install the TBR mufflers using the rubber lined muffler clamps and supplied bolts and loosely attach mufflers to muffler mounting brackets.



NOTE: Instructions continued on Page 3...



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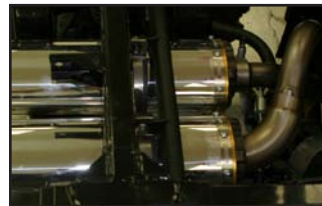
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Installation Instructions

18. Join the right muffler to the rear header using the supplied 6x14mm socket head cap screws and lock washers provided. Tighten the bolts in a cross pattern to 115 in. lbs. when alignment is correct.



19. Join the left muffler to the front header and repeat the previous steps.



20. Tighten all mounting hardware.



21. We recommend changing the main jets on each carburetor and adding a 0.5mm shim under each needle. The front cylinder main jet we used is 150 and the rear cylinder is 142. The pilot screws we set at 2.5 turns out.

*These settings were made with stock air box and Two Brothers Racing Dual exhaust.

22. Re-install all heat shields, engine guards and engine covers.

23. Re-install seats and cargo bed and secure with OEM hardware.

24. Double check your work to be sure everything is in place and securely fastened.

25. Re-pack every 8-12 hours and more frequently when sound tips are used. Failure to re-pack is not a reason for warranty. If discoloration is visible it must be replaced with a TBR re-pack kit (005-10038MX-17).

26. Before you run the UTV, clean off all fingerprints and dirt, as any oily residue will etch the metal and become somewhat permanent when the system gets hot. Run the bike and enjoy. It is normal for some white smoke to appear the first time you start the bike. This is packing/manufacturing oil from inside the pipe burning off. All muffler bolts and mounting hardware should be checked frequently or every 2-5 hours.



Maintenance

- Check your hardware every 10 hours of operation, including the bolts on the muffler assembly.
- Packing should be replaced every 15 hours of operation.
- Quiet inserts are also available. P1 Powertip (005-P1), P1-R Powertip (005-P5) and P4 Powertip (005-P4)
- In order to maintain optimal performance, it is recommended that this spark arrestor be cleaned after every 30 hours of use. (Our U.S. Forestry Service approved Spark Arrestor is included with all M-7 V.A.L.E. stainless/aluminum exhaust systems. These tips prevent broadcasting sparks with no appreciable loss of horsepower. Additionally this tip prevents the introduction of foreign matter into the exhaust system.)

Care & Cleaning

Care & Cleaning

Keep system free of dirt and moisture. Store in a cool, dry place. Make sure vehicle is completely cool before maintenance.

Stainless Header System: Polished stainless steel pipes will turn a light golden hue after a few heat cycles, this is a normal characteristic of high quality stainless steel. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

Polished Aluminum Canisters: Use an aluminum or mag wheel polish to restore the bright finish to factory spec.

Repack all road canisters every 3,000 miles. Part #005-10038
Repack all offroad canisters after every 10 hours of use. Part #005-10038MX

NEVER dyno test your bike with carbon fiber or titanium canisters installed - the intense heat and lack of cooling air can quickly burn through the canister material. Two Brothers Racing does not provide a warranty for burned canisters.

Warranty

Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.